ABSTRACT OF THE DISCLOSURE

[64] The method may include determining a protocol associated with a communication signal for an access point. A compatible processor may be allocated and selected from a pool of available processors and subsequently utilized to process the communication signal. In one aspect of the invention, a processor may be made compatible by updating it with compatible protocol code that may be used for processing the communication signal. The compatible protocol code may be downloaded to the processor from a memory. The processor may associate a particular protocol code with a particular portion of the memory. Accordingly, the protocol code may be retrieved from the memory based on the association. The processor may be a digital signal processor (DSP), which may be adapted to process 802.11a, 802.11b, 802.11g and Bluetooth protocols, for example.